

PATENT ABSTRACTS OF JAPAN

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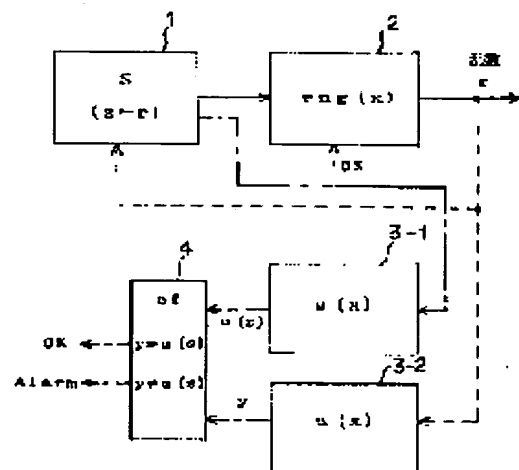
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(54) RANDOM NUMBER GENERATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a random number generator capable of improving the reliability of security by providing the continuation of values different every time when a power source is turned on.

SOLUTION: The random number generator for continuously generating random numbers by using a mathematical method, is provided with a storage circuit 1 for preserving the random number to be finally generated from a random number generation function $\text{rng}(x)$ arithmetic circuit 2 when the operation of the device is stopped and in the case of next restarting the operation, the random number generation function $\text{rng}(x)$ arithmetic circuit 2 generates random numbers on the basis of the value stored in this storage circuit 1.



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